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Sci - Eng

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FUTURE OF METALLURGY: CONTINUOUS CASTING OF
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8 PP.

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JPRS 14590

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CIA/FDD U-8625

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Determination of the Depth of the Liquid Phase
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et al.

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FSTC-HT-23-603-73

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Order from OTS or SLA \$1.10

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DESCRIPTORS: • Resorcinol, Synthesis (Chemistry),
Sulfuration

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I. Ruth, D.

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GERMAN, ptz. Stahl Eisen, Vol 86, Jan 27,
1966, pp 100-105.
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Ruthner, O.
PROCESS FOR RECOVERY AND REGENERATION OF
PICKLING WASTE LIQUORS. 8 Oct 56, 6p.
Order from OTS or SLA \$1.10 62-16402

Trans. of Austrian patent 176 414, starting of pat. life
15 Mar 53, issued 26 Oct 53, appl. [pub.] 6 Oct 56.

DESCRIPTORS: *Pickling, *Pickling compounds, Re-
covery, Regeneration, Chlorides, Iron compounds,
Chemical reactions, Hydrogen, Gases, Separation,
Decomposition, *Chemical waste.

The process is characterized by reacting with gaseous
hydrogen chloride the pickling liquids which are en-
riched with metallic salts, preferably with iron salts,
by separating the precipitated solid metallic chlorides
and by decomposing them by means of hydrogen gas in-
to metal and hydrogen chloride, which can again be ap-
plied for the precipitation of iron chloride from the
pickling liquor.

62-16402

I. Ruthner, O.
II. Patent (Austria) 176 414

C226248

(Engineering--Chemical, TT,
v. 8, no. 10)
Office of Technical Services

J. I. Ruthovskiy

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J. I. Ruthovskiy.

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*NTIS TT 72-51116

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Pressures as Characteristic Constants, by P.
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Jan 60

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Linear System of Equations with a Symmetrical
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ILL Ref: 3774.4 (1775)

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OTS 60-10657

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[1962] 25p. 6 refs. 63-10153
Order from SLA \$2.60

Trans. of Zeitschrift für Angewandte
Mathematik und Physik (Switzerland) 1955, v. 6,
p. 387-401.

DESCRIPTORS: *Algorithms, *Matrix algebra, Inte-
gral equations, Series, Functions, Continued fractions,
Taylor's series, Difference equations.

(Mathematics, TT, v. 10, no. 6)

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Order from SLA \$1.60

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Trans. of Zeitschrift für Angewandte
Mathematik und Physik (Switzerland) 1956,
v. 7, p. 164-169.

DESCRIPTORS: *Algorithms, Series, Functions,
Polynomials, Determinants, Algebra, Taylor's
series, Difference equations.

(Mathematics, TT, v. 10, no. 6)

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1. Title: Wronskian
Formula
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Program Controlled Digital Computers
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Vol 1, 1950, pp 227-297.

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gen zur Glatten Interpolation). [1961] [15]p.
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Order from SLA \$1.60

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DESCRIPTORS: *Functions, Polynomials, Numerical
analysis.

The usual interpolation formulae for equidistant ab-
scissae (Newton-Gregory, Bessel) define a piecewise
polynomial approximation function whose first deriva-
tive is generally discontinuous at every meshpoint.
It is shown how these formulae can be modified (with-
out using higher derivatives of the given function) such
that the piecewise polynomial approximation function
has s continuous derivatives (where s is a given inte-
ger). (Author)

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Trans. of Zeit[schrift] f[ür] Angew[andte]
Math[ematik] u[nd] Phys[ik] (Switzerland) 1954, v. 5,
p. 233-251

DESCRIPTORS: •Numerical methods and procedures,
Matrix algebra, Polynomials, Continued fractions.

C226013

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ference on Frontier Research in Digital Computers,
Eidgenossische Technische Hochschule, Zurich, n.d.

DESCRIPTORS: *Numerical analysis, Algebra, Coding,
Programming, Computers.

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JPRS 24866

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CEA-X-560

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Swelling of Compacted Soil Materials, by B. I.
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Refractories From Diaspore Concentrate, by
Ya. A. Orlovskiy, D. S. Rutman. UNCL

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Production of Highly Aluminous Bricks for
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SOLUCIÓN DE SILICATO SÓDICO COMO MEDIO
PARA LUCHAR CONTRA LAS CONTRACCIONES DE
LA FUNDICIÓN DE HIERRO (Zhidnoe Sostoi, kak
Sredstvo Bor'by s Uzhimaniem na Chugunnykh Otvivakh)
(Utilization of Sodium Silicate Solution in the Prevention
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DESCRIPTORS: *Sodium compounds, *Silicates,
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Rutovskii, B. N. and Yakobson, N.
COPOLYMERIZATION OF METHYL ISOPROPENYL
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Order from OTS or SLA \$1.10 61-18077

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DESCRIPTORS: *Copolymerization, Ketones,
*Acrylic resins, *Polymers.

Experiments were carried out showing that copolymers
of methyl methacrylate and methyl isopropenyl ketone
can be prepared in which the monomers are equally
distributed through the individual fractions of the prod-
uct. In the absence of solvents, copolymers were ob-
tained with a content of the ketone amounting to 25 and
12.5%. In the presence of 50% ketone, no polymer is
formed. Copolymerization in solution gave copolymers
containing 50.25 and 12.5% ketone. The polymers pre-
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COPOLYMERIZATION OF STYRENE WITH METHYL
ISOPROPENYL KETONE. [1961] 6p. 9 refs.
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Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)
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DESCRIPTORS: *Copolymerization, *Styrenes,
Ketones, Polymers.

The method and conditions favoring copolymerization were investigated on the example of styrene and methyl isopropenyl ketone. Small amounts of methyl isopropenyl ketone accelerate polymerization of styrene in emulsions, but additions exceeding 10% of the ketone retard the process. Polymerization in emulsion in the presence of benzoyl peroxide does not give copolymers, while in the presence of hydrogen peroxide, conditions may be created leading to its formation. Under favorable conditions, copolymers are formed the chemical (Chemistry--Organic, TT, v. 6, no. 7) (over)

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